

# North Carolina Department of Environment and Natural Resources

Division of Waste Management
Dexter R. Matthews
Director

Dee Freeman Secretary

# FACT SHEET AND FINAL PERMIT DECISION SOLID WASTE PERMIT NUMBER 3901-MSWLF-2012 Document ID No. (Doc ID): 16509

**FACILITY:** Oxford Subtitle D Municipal Solid Waste Landfill (MSWLF)

**COUNTY:** Granville

**Beverly Eaves Perdue** 

Governor

**CITY:** Oxford, North Carolina

**OWNER/OPERATOR:** Granville County

141 Williamsboro Street Oxford, North Carolina 27565

## NOTIFICATION OF FINAL PERMIT ACTION

On May 04, 2012, the Division of Waste Management (Division) issued Solid Waste Permit No. 3901-MSWLF-2012, Permit to Construct – Unit 2, Phase 1 (Doc ID 16507), for the Oxford Subtitle D Municipal Solid Waste Landfill (MSWLF). The Division determined that the proposed facility plan, the engineering plan, the operations plan, the construction quality assurance plan, the closure and post-closure plan, the water quality and landfill gas monitoring plan, and the documentation of public meetings and local government approval satisfied the requirements of the Solid Waste Management Rules (Rule) as codified in 15A NCAC 13B .1600 et seq.

#### **DESCRIPTION**

Granville County has applied for an expansion of the Oxford MSWLF to approximately 369 acres of immediately adjacent property which will increase the permitted landfill facility acreage from the existing 29 acres to an approximate total of 398 acres. A new Subtitle D MSWLF facility will be constructed and operated on the 369-acre site which is located on Land Fill Road (State Route 1459) in Oxford. In addition to the new MSWLF facility at this location, Granville County currently owns and operates a closed MSWLF unit – Unit 1 (3901-MSWLF-1981), with a C&DLF unit on top of the closed MSWLF - Unit 1 (3901-CDLF-1997), and other specific waste management areas.

The MSWLF facility contains a disposal unit that is a state-of-art landfill facility. It consists of composite baseliner systems, leachate collection systems, and composite final cover systems. The unit will encompass approximately 157.8 acres of disposal area and have a total gross capacity of approximately 16,886,000 cubic yards (CY). The estimated operating life is approximately 87 years at current waste rates. The cumulative waste capacity for the operating life period is based on design waste receipts beginning in year 2012 at about 65,740 tons annually (based on year 2007 waste data) and increasing by 1% each year thereafter. If waste receipts are less, the projected operating life could last longer. The new landfill facility will be incrementally developed with construction of three units as summarized below:



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- Unit 2 consisting of a 37.3-acre waste footprint will be developed in five (5) construction phases of approximately five years each with a gross capacity of 3,556,000 CY;
- Unit 3 consisting of a 86.8-acre waste footprint will be developed in eleven (11) construction phases of approximately five years each with a gross capacity of 10,650,000 CY; and
- Unit 4 consisting of a 33.7-acre waste footprint will be developed in two (2) construction phases of approximately five years each with a gross capacity of 2,680,000 CY.

This Subtitle D MSWLF is proposed to dispose of household, industrial, and commercial solid waste generated by Granville County including without limitation the municipalities of Oxford, Butner, Creedmoor, Stern, and Stovall and by the counties adjacent to Granville County including Durham, Franklin, Person, Vance, and Wake, which is consistent with the local government solid waste management plan(s) and local government approval dated 17 June 2008 by the Granville County Commissioners and documented by the minutes of the meeting. Hazardous wastes or other banned wastes such as liquid waste, medical waste, radioactive waste, PCB wastes, yard trash, white goods, wooden pallets, recyclable rigid plastic containers, computer equipment and televisions are not approved for disposal at this new landfill facility.

In the Site Suitability Letter (Doc ID 11727) dated October 5, 2010, the Division determined that the site was suitable for development as a solid waste management facility under the conditions established in that letter and described in the Site Study Report (Doc IDs 8649 & 8652).

Granville County has submitted a Permit to Construct Application for a Unit 2, Phase 1 (Doc ID 16510) of the new landfill which encompasses an approximately 11-acre disposal area and has approximately 660,000 CY of total gross volume from the top of the protective cover to the top of intermediate cover or an average 215 tons of waste daily over the 5-year planning period.

#### PERMIT STRUCTURE

The permit is divided into two parts, the Permit to Construct and the Permit to Operate; each consists of a list of Approved Documents and specific conditions for the construction, operation, and monitoring of the landfill units.

### PUBLIC COMMENT PERIOD

North Carolina Solid Waste Management Rules required that the public be given an opportunity to comment on a draft permit for a municipal solid waste management facility. This 45-day comment period began on March 17, 2012 and ended on April 30, 2012. The draft permit and permit application were available for review by appointment from 9 AM to 4 PM, Monday-Friday, at the Division of Waste Management at 217 W. Jones Street in Raleigh. All data submitted by the applicant is available as part of the administrative record and can be viewed online:

1. At <a href="http://portal.ncdenr.org/web/wm/sw">http://portal.ncdenr.org/web/wm/sw</a>. Then click the "Public Notices" tab to find related documents for issuance of this permit. Or

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2. At <a href="https://edm.nc.gov/DENR-Portal/">https://edm.nc.gov/DENR-Portal/</a>. Type in the Doc ID Number (only numeric number) in the boxed area next to the "Description" in the "Property Criteria" area. Then click "Search" box. The document in pdf format will appear on the lower section of the screen called "Content" area.

### **PUBLIC HEARING**

On April 11, 2012 at 6:30 PM a public hearing was held at Granville County Multi-Specialty Complex located at 5662 Cornwall Road, Oxford, North Carolina. Interested parties submitted oral or written statements and data concerning the proposed new facility permit. The transcript of the public hearing (Doc ID 16449) is available as part of the administrative record and can be viewed online. One comment to support the construction and operation of the proposed new MSWLF was received in the public hearing. No response to the comment is required.